

# Central<sup>TM</sup> Semiconductor Corp.

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Manufacturers of World Class Discrete Semiconductors

## CBR1-D010 SERIES

SILICON BRIDGE RECTIFIER  
1 AMP, 100 THRU 1000 VOLTS

DIP CASE

### DESCRIPTION

The CENTRAL SEMICONDUCTOR CBR1-D010 series types are Silicon Full Wave Bridge Rectifiers mounted in a durable epoxy molded case. This device is ideal for printed circuit board mounting and fits into a standard DIP socket (0.1"/2.54mm spacing). **NOTE:** Also available in Fast Recovery, Please contact factory for details.

### MAXIMUM RATINGS (T<sub>A</sub>=25°C unless otherwise noted)

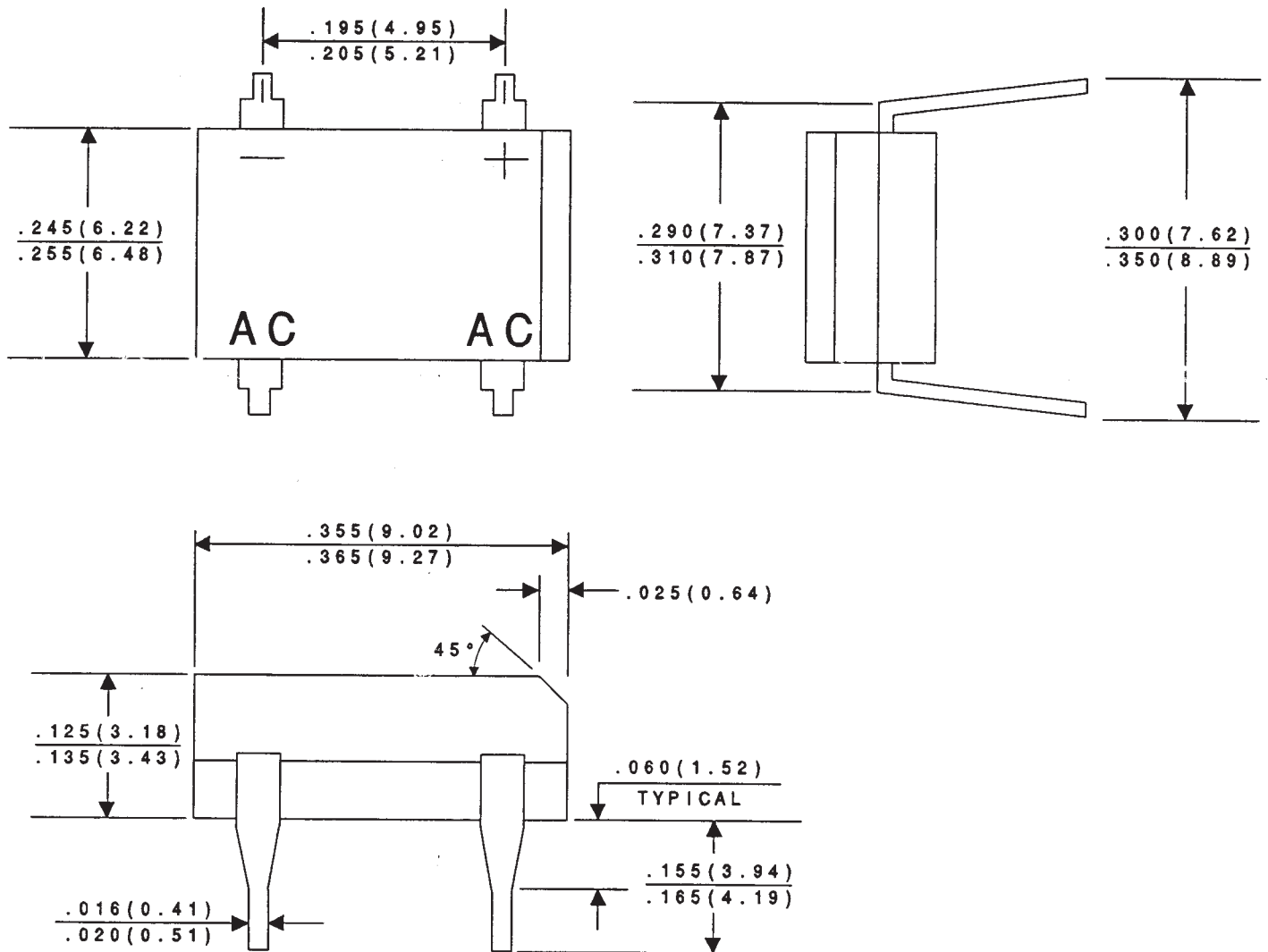
	SYMBOL	CBR1 -D010	CBR1 -D020	CBR1 -D040	CBR1 -D060	CBR1 -D080	CBR1 -D100	UNITS
Peak Repetitive Reverse Voltage	V <sub>RRM</sub>	100	200	400	600	800	1000	V
DC Blocking Voltage	V <sub>R</sub>	100	200	400	600	800	1000	V
RMS Reverse Voltage	V <sub>R(RMS)</sub>	70	140	280	420	560	700	V
Average Forward Current (T <sub>A</sub> =50°C)	I <sub>O</sub>				1.0			A
Peak Forward Surge Current	I <sub>FSM</sub>				50			A
Operating and Storage Junction Temperature	T <sub>J</sub> , T <sub>stg</sub>			-65 to +150				°C

### ELECTRICAL CHARACTERISTICS (T<sub>A</sub>=25°C unless otherwise noted)

SYMBOL	TEST CONDITIONS	MIN	MAX	UNITS
V <sub>F</sub>	I <sub>F</sub> =1.0A		1.1	V
I <sub>R</sub>	V <sub>R</sub> =Rated V <sub>RRM</sub>		10	μA

(SEE REVERSE SIDE)

## DIP CASE - MECHANICAL OUTLINE



All Dimensions in Inches (mm).